

Kotwal National Institute of Teaching
(KNIT)

(Assignment of class 10th)

(Physics) Mobile

QNo1. Long answers type questions:-

(I) Explain The phenomenon of refraction of light?

Also, define angle of incidence and angle of refraction of light?

(II) Explain how two refractions take place through a rectangular slab?

QNo2. Short answers type questions:-

I) State laws of refraction of light?

(II) what is refractive index of a substance? Give its units?

(III) Point out the difference between a convex lens and concave lens?

(IV) State new cartesian sign convention used in refraction light for spherical lens?

QNo3 Very short answers type questions:-

I) Define Power of a lens? Define its SI unit?

II) Define one diopitre of Power of a lens?

III) State Lens formula? Is this formula applicable to both convex and concave lens?

IV) what is a spherical lens?

V) Find The Power of a concave lens of focal length 2m?

QNO4 Multiple Type questions:->

I) The power of a lens is given by:-

a) $P=f$ b) $P=\frac{1}{f}$ c) $P=\frac{f}{2}$ d) $P=2f$

II) which of the following remains unchanged when light goes from one medium to another?

a) Frequency b) Speed c) wavelength d) Direction.

III) The power of a lens is measured in:

a) Metre b) centimetre c) Diopitre d) None

IV) The mirror used by driver of a vehicle is:

a) Plane b) convex c) concave d) None of above.